ABSTRACT OF THE DISCLOSURE

[0056] A mobile system, such as a wireless phone, communicates its location or other position information, such as pseudoranges, to a server system and optionally sends permission criteria defining which other mobile systems are allowed to access its location. In the case where the mobile system does not provide its location, the server determines the location using the other position information provided (e.g. pseudoranges for satellites in view of the mobile system). The server system sends the location to other mobile systems in accordance with the permission criteria, with or without a request from another mobile system for the location. If no permission criteria has been sent by the mobile system, the server system queries the mobile system for the permission criteria in response to a request for the location. If no permission criteria is sent by the mobile system, or if the permission criteria sent denies the request, the server system can, alternately, not reply to the request or reply with an error message. The permission criteria can include additional access limitations such as dates or times during which access is permitted or denied, and geographic areas in which access is permitted or denied.